

**Anti-IL-13 Reference Antibody (abrezekimab)
Recombinant Antibody
Catalog # APR10619****Specification**

Anti-IL-13 Reference Antibody (abrezekimab) - Product Information

Application	FC, E, FTA
Primary Accession	P35225
Reactivity	Rat, Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

Anti-IL-13 Reference Antibody (abrezekimab) - Additional Information**Target/Specificity**

IL-13

Endotoxin

< 0.001EU/ µg, determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-IL-13 Reference Antibody (abrezekimab) - Protein Information**Name** IL13**Synonyms** NC30**Function**

Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed: [8096327](http://www.uniprot.org/citations/8096327)), PubMed: [8097324](http://www.uniprot.org/citations/8097324)), PubMed: [8097324](http://www.uniprot.org/citations/8097324)). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed: [8096327](http://www.uniprot.org/citations/8096327)). Stimulates B-cell proliferation, and activation of eosinophils, basophils, and mast cells (PubMed: [7903680](http://www.uniprot.org/citations/7903680), PubMed: [8759755](http://www.uniprot.org/citations/8759755)). Plays an important role in controlling IL33 activity by modulating the production of transmembrane and soluble forms of interleukin-1 receptor-like 1/IL1RL1 (By similarity). Displays the capacity to

antagonize Th1-driven proinflammatory immune response and downregulates synthesis of many proinflammatory cytokines including IL1, IL6, IL10, IL12 and TNF-alpha through a mechanism that partially involves suppression of NF-kappa-B (By similarity). Functions also on nonhematopoietic cells, including endothelial cells where it induces vascular cell adhesion protein 1/VCAM1, which is important in the recruitment of eosinophils (PubMed:8639787). Exerts its biological effects through its receptors which comprises the IL4R chain and the IL13RA1 chain, to activate JAK1 and TYK2, leading to the activation of STAT6 (PubMed:9013879). Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13 (PubMed:21622864).

Cellular Location

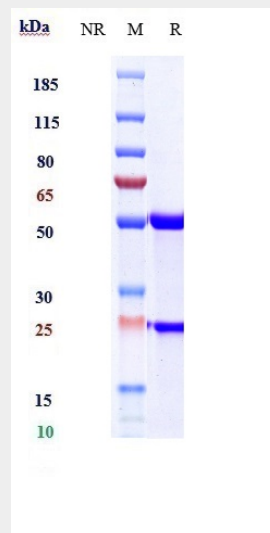
Secreted.

Anti-IL-13 Reference Antibody (abrezekimab) - Protocols

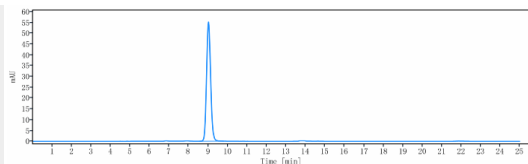
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL-13 Reference Antibody (abrezekimab) - Images



Anti-IL-13 Reference Antibody (abrezekimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-IL-13 Reference Antibody (abrezekimab) is more than 95% ,determined by SEC-HPLC.